Calvert Cliffs Nuclear Power Plant
Constellation Generation Group, LLC

1650 Calvert Cliffs Parkway
Lusby, Maryland 20657

Constellation Energy

August 4, 2005

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Response to Request for Additional Information Regarding NRC Bulletin 2003-01, "Potential Impact of Debris Blockage on Emergency Sump Recirculation at Pressurized-Water Reactors"

REFERENCE: (a) Letter from Mr. G. Vanderheyden (CCNPP) to Document Control Desk (NRC), dated November 8, 2004, Response to Request for Additional Information Regarding NRC Bulletin 2003-01, "Potential Impact of Debris Blockage on Emergency Sump Recirculation at Pressurized-Water Reactors"

By letter dated November 8, 2004 (Reference a), Calvert Cliffs Nuclear Power Plant, Inc. (CCNPP) provided a response to a request for additional information regarding Nuclear Regulatory Commission (NRC) Bulletin 2003-01. On July 5, 2005, CCNPP and NRC personnel held a teleconference to discuss CCNPP's November 8, 2004 response. Below are the three additional NRC questions and CCNPP responses addressed at this teleconference.

Requested Information (1)

What plant procedure contains the steps required to refill the RWT [refueling water tank] post sump swap-over during LOCA [loss-of-coolant accident]?

CCNPP Response

Recirculation actuation signal (RAS) is the CCNPP automatic signal which performs the sump swap-over function during LOCA. EOP-05-1, Loss of Coolant Accident, Revision 21 (Unit 1), page 63, step X, states, "IF RAS ACTUATED, THEN REFILL THE RWT." Also EOP-08-1, Functional Recovery Procedure, Revision 29 (Unit 1), Appendix 3, page 70, step F states, "IF RAS ACTUATED, THEN REFILL THE RWT." Similar steps are contained in Unit 2 procedures.

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Requested Information (2)

What plant procedure contains the step for injection from refilled RWT?

CCNPP Response

Calvert Cliffs Nuclear Power Plant Unit 1 Procedure EOP-08-1, Revision 29, Appendix 3, page 81, step H.1.1.j provides the actions required to inject from the refilled RWT. Similar steps are contained in Unit 2 procedure.

Requested Information (3)

What additional actions will be taken to enhance guidance for cooldown to adequately address the desire for an aggressive cooldown.

CCNPP Response

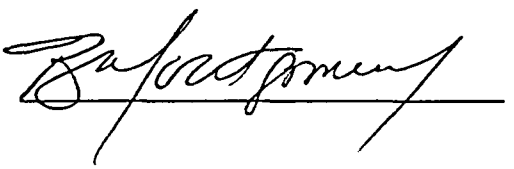
We believe existing procedures adequately address the desire for aggressive cooldown. However, after the teleconference, we have made changes to EOP-05 and EOP-08 basis documents to ensure that it is clear that the cooldown should be as aggressive as current plant conditions allow. This is not a change in philosophy, but a clarification to specify existing expectations. The following statement was added: "The operator controlled cooldown should be aggressive to achieve cold shutdown as quickly as plant conditions allow." This change has been forwarded to License Operator training personnel to ensure that it is incorporated into applicable training programs.

Should you have questions regarding this matter, please contact Mr. L. S. Larragoite at (410) 495-4922.

Very truly yours,

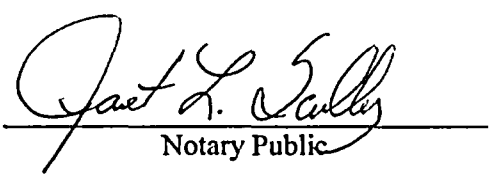
STATE OF MARYLAND :
: **TO WIT:**
COUNTY OF CALVERT :

I, Bruce S. Montgomery, being duly sworn, state that I am Manager - Calvert Cliffs Nuclear Power Plant (CCNPP) Engineering Services, and that I am duly authorized to execute and file this response on behalf of CCNPP. To the best of my knowledge and belief, the statements contained in this document are true and correct. To the extent that these statements are not based on my personal knowledge, they are based upon information provided by other CCNPP employees and/or consultants. Such information has been reviewed in accordance with company practice and I believe it to be reliable.



Subscribed and sworn before me, a Notary Public in and for the State of Maryland and County of St. Mary's, this 4th day of August, 2005.

WITNESS my Hand and Notarial Seal:



Notary Public

My Commission Expires:

March 25, 2007
Date

BSM/GT/bjd

cc: P. D. Milano, NRC
S. J. Collins, NRC
Resident Inspector, NRC
R. I. McLean, DNR